

**REMARKS**

Claims 18 through 24 and 34 through 39 have been amended to improve antecedent basis and to more positively recite method limitations. No new matter has been added.

The Office Action mailed June 6, 2005, has been received and reviewed. Claims 18 through 24 and 33 through 39 are currently pending in the application. Claims 33, 34, and 36-39 are allowed. Applicants note with appreciation the indication that these claims are allowed. Claims 18 through 24 and 35 stand rejected. Applicants have amended claims 18 through 24 and 34 through 39 and respectfully request reconsideration of the application as amended herein.

**Objection to the Title**

The Examiner has objected to the title as not being descriptive. Applicants have amended the title and respectfully request that the objection be withdrawn.

**Objections to the Specification**

The Examiner has objected to the specification as including informalities. Applicants have amended the specification to correct the informalities and respectfully request that the objection be withdrawn.

**35 U.S.C. § 112 Claim Rejections**

Claims 18 through 24 and 35 stand rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicants regard as the invention. Independent claim 18 is rejected as being vague and indefinite as to which part of the substrate is parallel to the lower periphery of the second doped region. Appropriate correction has been made.

Dependent claims 20 and 35 are rejected as being vague and indefinite as to how to measure the depth of the second doped region. Appropriate correction has been made.

In light of these amendments, claims 18, 20, and 35 are definite. As such, the indefiniteness rejection of these claims should be withdrawn.

Claims 19 and 21 through 24 are allowable, *inter alia*, as depending from an allowable base claim.

**Double Patenting Rejection Based on U.S. Patent No. 5,897,363**

Claims 18 through 20 stand rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 18 and 19 of U.S. Patent No. 5,897,363. In order to avoid further expenses and time delay, Applicants elect to expedite the prosecution of the present application by filing a terminal disclaimer to obviate the double patenting rejections in compliance with 37 CFR §1.321 (b) and (c). Applicants' filing of the terminal disclaimer should not be construed as acquiescence to the Examiner's obviousness-type double patenting rejections. Attached is the terminal disclaimer and accompanying fee.

**Allowable Subject Matter**

Applicants note with appreciation the indication of allowable subject matter in dependent claims 21, 23, and 24, but respectfully submit that independent claim 18 is allowable in its present state for the reasons set forth herein. As such, claims 21, 23, and 24 are allowable, *inter alia*, as depending from an allowable base claim.

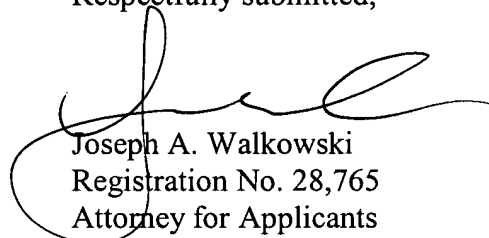
**ENTRY OF AMENDMENTS**

The amendments to claims 18 through 24 and 34 through 39 should be entered by the Examiner because the amendments are supported by the as-filed specification and drawings and do not add new matter to the application.

**CONCLUSION**

Claims 18 through 24 and 33 through 39 are believed to be in condition for allowance, and an early notice thereof is respectfully solicited. Should the Examiner determine that additional issues remain that might be resolved by a telephone conference, he is respectfully invited to contact Applicants' undersigned attorney.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'J. Walkowski', is written over the typed name and address.

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